

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

09/07/2005

EXAMINER

C Emmett Pugh
Pugh/Associates
Patent & Trademark Attorne

Suffield, CT 06078-2102

Patent & Trademark Attorneys 82 N Main Street BARFIELD, ANTHONY DERRELL

PAPER NUMBER

ART UNIT

DATE MAILED: 09/07/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION N
09/670,606	09/26/2000	Don C. Williams		WILLD01/870	4650
	•				
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Ťi

S

PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(571) 273-2885 or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as

indicated unless corrected by	pelow or directed otherwise is.	in Block 1, by (a)	specifying a ne	w corresponden	ce address;	and/or (b) indicating a sepa	rate "FEE ADDRESS" for
	E ADDRESS (Note: Use Block 1 for	any change of address)		naners Hac	h additiona	mailing can only be used for is certificate cannot be used all paper, such as an assignment	or domestic mailings of the for any other accompanying ent or formal drawing must
75	90 09/07/2005			have its own	n certificate	of mailing or transmission.	on or round diawing, must
C Emmett Pugh Pugh/Associates Patent & Trademar 82 N Main Street	k Attorneys			I hereby ce States Posta addressed t transmitted	Cer rtify that th al Service w o the Mail to the USP	tificate of Mailing or Trans is Fee(s) Transmittal is bein vith sufficient postage for fir Stop ISSUE FEE address TO (571) 273-2885, on the c	smission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
Suffield, CT 06078	-2102		,				(Depositor's name)
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							(Signature)
							(Date)
APPLICATION NO.	FILING DATE	FI	IRST NAMED IN	VENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/670,606	09/26/2000		Don C. Will	iams		WILLD01/870	4650
						R RESTING WHILE SITTI	
APPLN. TYPE	SMALL ENTITY	ISSUE FÉI	E	PUBLICATION	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700		\$ 0		. \$700	12/07/2005
EXAM	IINER	ART UNIT	Γ	CLASS-SUBCL	ASS	J ·	•
BARFIELD, ANT	HONY DERRELL	3636		297-39200	0		
Address form PTO/SB/12 "Fee Address" indicated PTO/SB/47; Rev 03-02 of Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless	PRESIDENCE DATA TO B an assignee is identified by 37 CFR 3.11. Completion	ation form e of a Customer E PRINTED ON The	or agents OR, (2) the name registered attood 2 registered p listed, no nam HE PATENT (p ata will appear a substitute for	of a single firm (orney or agent) a atent attorneys o e will be printed rint or type) on the patent.	having as a nd the name ragents. If	a member a 2a nes of up to no name is 3a nee is identified below, the contact is a second of the contact is a second o	document has been filed for
	e assignee category or catego				dual 🗆 C	orporation or other private gr	oup entity Government
4a. The following fee(s) are ☐ Issue Fee	enclosed:		Payment of Fee	(s): ne amount of the	fee(s) is en	iclosed	
	mall entity discount permitte			credit card. Forn	` '		
Advance Order - # of	f Copies	<u> </u>	The Directo Deposit Accoun	r is hereby author t Number	orized by c	harge the required fee(s), or (enclose an extra o	credit any overpayment, to copy of this form).
	(from status indicated above MALL ENTITY status. See		h Applicant	is no longer clai	ming SMA	LL ENTITY status. See 37 C	CFR 1.27(g)(2).
			• •			ly paid issue fee to the applic istered attorney or agent; or t	
Authorized Signature			_	ŗ	Date		
Typed or printed name						No	
This collection of informatic an application. Confidential submitting the completed ap this form and/or suggestions Box 1450, Alexandria, Virg Alexandria, Virginia 22313-	on is required by 37 CFR 1.3 ity is governed by 35 U.S.C oplication form to the USPT in reducing this burden, slinia 22313-1450. DO NOT	11. The information, 122 and 37 CFR 1. O. Time will vary on the sent to the SEND FEES OR Co.	is required to contact the con	btain or retain a tion is estimated the individual c on Officer, U.S. DRMS TO THIS	benefit by to take 12 ase. Any co Patent and ADDRES	the public which is to file (an minutes to complete, includi omments on the amount of to Trademark Office, U.S. Dep S. SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and ime you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	09/670,606	09/26/2000	Don C. Williams	WILLD01/870	4650	
ţ)		7590 09/07/2005	•	EXAM	INER	
	C Emmett Pugh			BARFIELD, ANTHONY DERRELL		
4	Pugh/Associates			ART UNIT	PAPER NUMBER	
P_{-}	Patent & Tradema	ark Attorneys		ARTUNIT	PAPER NUMBER	
ij	82 N Main Street			3636		
	Suffield, CT 0607	78-2102	DATE MAILED: 09/07/2005			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)			
	09/670,606	WILLIAMS, DON C.			
Notice of Allowability	Examiner	Art Unit			
	Anthony D. Barfield	3636			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS			
1. This communication is responsive to petition and after final	amdmt filed_on_3/10/04.				
2. The allowed claim(s) is/are 4,11-27 now renumbered as 1-	<u>18</u> .				
 3. ☐ Acknowledgment is made of a claim for foreign priority une a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 	been received.				
2. Certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •				
3. Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.				
(a) including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached			
1) 🗌 hereto or 2) 📗 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date					
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).					
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s)					
1. Notice of References Cited (PTO-892)	-	atent Application (PTO-152)			
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Dat				
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0		ment/Comment			
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Stateme	ent of Reasons for Allowange			
	9. 🗌 Other	Anthony D Barfield Primary Examiner Art Unit: 3636			